



DWaldo@kdhe.state.ks.us

04/30/2008 11:44 AM

To Monica Wurtz/R7/USEPA/US@EPA

cc KKelsey@kdhe.state.ks.us, DClair@kdhe.state.ks.us, DPlummer@kdhe.state.ks.us

bcc

Subject PP Report

History:

✉ This message has been forwarded.

A copy of the Pretty Prairie report is attached. It was received December 7, 2007. We have not placed Pretty Prairie under any schedule.

The other systems that received nitrate directives during 2007 and their status is as follows:

WATER SYSTEM NAME	FEDERAL ID No.	STATE ID No.	KDHE DISTRICT	VIOLATIONS	CASE No.	ISSUED DATE	RESPONSE DUE DATE	COMMENTS
Woodston, City of	KS2016307	Y7000	NWD	Nitrate	Directive	05/14/07	10/1/2007	Feasibility Study by October 1, 2007 - Well INACTIVE STATUS (system returned to compliance 9/27/07)
Pretty Prairie, City of	KS2015501	T4000	SCD	Nitrate	Directive	07/20/07	12/20/2007	Results of Feasibility Study by Dec. 20, 2007 (received 12/07/07)
Green, City of	KS2002703	J6500	NCD	Nitrate	Directive	09/14/07	3/1/2008	Wells put on INACTIVE; EMERGENCY status (system returned to compliance 8/31/07)
Kirwin, City of	KS2014702	M7000	NWD	Nitrate	Directive	09/28/07	5/1/2008	Results of Feasibility Study due by May 1, 2008 (waiting for study)
Everest, City of	KS2001308	I1000	NED	Nitrate	Directive	11/09/07	5/1/2008	Results of Feasibility Study by May 1, 2008 (received 4/29/08)
Haviland, City of	KS2009703	K5000	SWD	Nitrate	Directive	11/30/07	5/1/2008	Results of Feasibility Study by May 1, 2008 (received 4/28/08)

David F. Waldo, PE
Bureau of Water-Public Water Supply

Brune, Doug

From: Brune, Doug
Sent: Wednesday, June 11, 2014 11:38 AM
To: Mindrup, Mary
Subject: FW: FYI - Biologic Treatment for Nitrate

Hello, Mary:

Attached is an e-mail from Cathy Tucker-Vogel in a reply to my e-mail on the biologic treatment pilot study I sent out last week.

The \$4.6 Million project proposal was from BG Consultants for a CDBG grant from the KS Dept of Commerce. The proposal was for ion-exchange treatment, a 150 K new storage tank, and infrastructure replacement ("Seventy-four percent of existing water mains in the city are smaller than the 6-inch diameter recommended by KDHE. The engineers advised replacing all the old sandcast and cast-iron mains within the distribution system.").

It (or any other proposal) had/has not been submitted to KDHE yet.

Previous nitrate treatment loans in the KDHE IUP range from \$1.6 to \$3 million.

http://www.kdheks.gov/pws/loan/2013_KPWSLF_Annual_Report.pdf

See please 8 for the specifics with Argonia and Harper:

Argonia \$1,614,226 New water treatment plant to achieve nitrate and arsenic compliance – includes principal forgiveness

Harper \$2,005,263 New water treatment plant and transmission lines to reduce nitrates– includes principal forgiveness

Not sure the meaning of "principal forgiveness". We might want to ask KDHE for more specific information on these systems, particularly since the population served by Pretty Prairie is halfway between Argonia and Harper.

I am not sure how the rates have/will be adjusted; maybe EFC-Wichita State would know, if KDHE does not.

I also have contact information from Carollo Engineers for more information on the pilot study on the biologic treatment for nitrate at the Lincoln-Pipestone Rural Water System in Minnesota. (FYI - Carollo has an office 12 miles to our east (in Missouri).)

Thank you for your time, and enjoy the day.

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

From: Cathy Tucker-Vogel [mailto:CTuckerv@kdheks.gov]
Sent: Friday, June 06, 2014 2:34 PM
To: Brune, Doug; Darrel Plummer
Cc: William Carr; Dianne C. Sands; Dan Clair
Subject: RE: FYI - Biologic Treatment for Nitrate

Doug,

Just an FYI, the Engineering Report funded in part by KDHE has not been submitted. The PER mentioned in the newspaper was sent to the KS Dept. of Commerce with a request for CDBG funding. We are waiting for the "official" PER prepared under our grant agreement to be submitted.

Thanks for the info☺

Thanks,

Cathy

Cathy Tucker-Vogel
KDHE - Public Water Supply Section
1000 SW Jackson Street, Suite 420
Topeka, KS 66612-1367
Phone: (785) 368-7130
FAX: (785) 296-5509
www.kdheks.gov/water

From: Brune, Doug [mailto:Brune.Doug@epa.gov]
Sent: Friday, June 06, 2014 2:03 PM
To: Darrel Plummer
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: FYI - Biologic Treatment for Nitrate

Good afternoon:

I read in the Hutchison News from a Topeka Capital Journal article that Pretty Prairie received an engineering report, and plans to come to Topeka on Tuesday to learn of funding potentials.

I was searching the AWWA website about their conference next week, and learned of a new treatment for nitrate (biologic).

Below is a page from one of the system's recent newsletter. And here is more information about the demonstration event:

<http://www.pipestonestar.com/Stories/Story.cfm?SID=41264>

I have a request into the Minnesota Dept of Health for results on this demonstration event that were/are due in January.

Please note this is not an endorsement.

If you are meeting with Pretty Prairie next week, you might want to consider this as an option.

Enjoy the weekend.

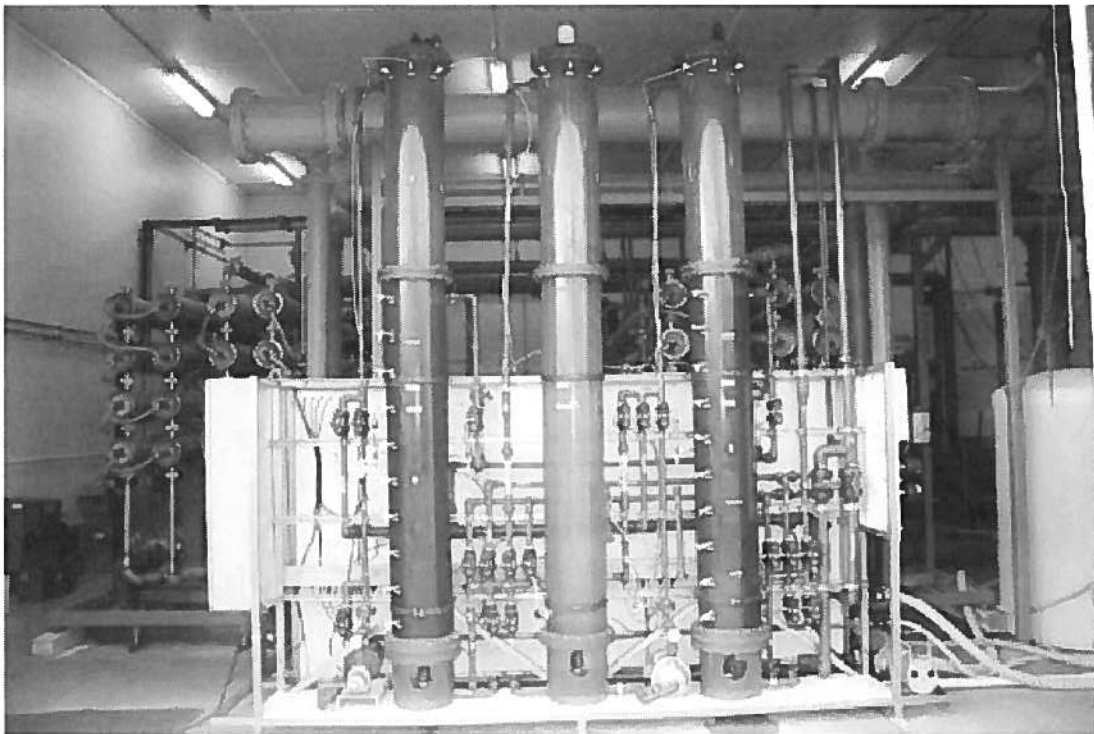
← → http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

ruralwaterusa.com x

File Edit Go to Favorites Help

☆ <http://dnr.wi.gov/regulati...> One EPA Workplace KDHE Public Water Suppl... KDHE Operator Certificati... F

Exploring New Treatment Processes



Downloading (1,021.30 KB of 1 MB) : http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

Internet Explor... Lync Inbox - Brune, ... 2014 Federal E... UC

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward



CITY OF PRETTY PRAIRIE

P.O. Box 68 • 119 West Main • Pretty Prairie, Kansas 67570-0068

620-459-6392 • FAX 620-459-7354

E-Mail: pprairie@btsskynet.net • www.skyways.org/towns/PrettyPrairie

"HOME OF KANSAS' LARGEST NIGHT RODEO"

Crop SCO

March 24, 2006

Ms. Patti J. Croy
Public Water Supply Section
Bureau of Water
Dept. of Health & Envir.
1000 S.W. Jackson St., Suite 420
Topeka, KS 66612-1367

RECEIVED

MAR 29 2006

BUREAU OF WATER

Re: 1st Quarter Nitrate Sample-ID T4000

Dear Patti:

Enclosed please find a copy of the City of Pretty Prairie's quarterly nitrate sample that was tested by KDHE certified lab, SDK Laboratories, Inc., 1000 Corey Road, Hutchinson, KS 67504-0886. The City would like to submit this test for their quarterly sampling.

If you should have any questions or need additional information, please give our office a call at 620-459-6392.

Thank you.

Sincerely,

Patti Brace
City Clerk
Enc.



1000 Corey Road
P.O. Box 886
Hutchinson, KS 67504-0886
620-665-5661
FAX: 620-665-0559
TOLL FREE: 877-464-0623
www.sdklabs.com

Sample # 104
Sample: Water
Other ID: WELL #5

Date Received: 01/11/2006
Date/Time Sampled: 1/10/2006 14:30:00
Date Reported: 01/23/2006

CITY OF PRETTY PRAIRIE
P.O. BOX 68
119 W. MAIN
PRETTY PRAIRIE, KS 67570

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
Nitrate-Nitrogen - SM 4500 NO3 - D	12.00	mg/L	1/23/2006 9:15:18	Niki

**Sample receipt temperature = 21.3 degrees C.

**These analyses were subcontracted to other laboratories for state compliance, see attached.

Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

Approved By:  Laboratory Director
Dennis Hogan

Copies:

PWS Name Pretty Prairie

PWS ID number KS2015501

System type CWS-GW Population 600

1. For violations occurring between Jan 06 – Dec 06
Date, contaminant & type of violations, dates of NOV, reported to SDWIS, PN of violation made as required, was PN correct, did system RTC?
(note information below or check off correct information on SDWIS report)
2. Did SDWIS contain violations that were not documented in the file?
3. Did same violations occur previous to Jan 06? How often? How far back to they go?
4. Did same violations continue after Dec 06? How often? Current status of system?
5. What enforcement action was taken, when was action taken?
NO 10/11/1994 or 1997
6. Was enforcement action taken in accordance with the state's enforcement or escalation policy?
7. Was enforcement action taken in a timely manner? Was action appropriate? Was action successful in returning system to compliance?
8. Are 2006 CCRs correct?
mailed to system 1/11/07; appears correct
9. Follow-up questions for state staff.

PN for Jan violation

Date of Viol.	Contaminant Viol type (MCL/Mon)	Date of NOV	Viol to SDWIS	PN made	PN correct
1st 907 3/13/07 <i>Red Bow 3-14-07</i>	Nitrate 13.8mg/l	3/20/07	-	<i>by mail</i> 3-26-07 <i>newspaper</i> 3-30-07	✓
3rd & 4th 2006	Ni ment.	2/14/07	✓	2/20/07 <i>by mail</i>	✓
5/1/06 <i>Red Bow 6-29-06</i>	Ni 13mg/l	6/30/06	✓	<i>Paper</i> 7-7-06 7/3/06 <i>by mail</i>	✓
1/10/06 <i>Red Bow 3-29-06</i> + FN VIO.	Ni 12mg/l	3/30/06	✓	<i>Paper</i> 4/14/06 4-5-06 <i>mail</i>	✓
5/31/05	Ni 12mg/l	6/24/05	✓	7/20/05	✓
2/14/05	11.7mg/l	3/8/05	✓	3/25/05	✓

Samples

10/12/05 well #5 6.94 mg/l N
8/1/05 " 10.2



KANSAS

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

March 30, 2006

PRETTY PRAIRIE, CITY OF
ATTN: CURT MILLER, MAYOR
119 W MAIN
PO BOX 68
PRETTY PRAIRIE, KS 67570-0068

Re: Acute Nitrate Violation

State ID #T4000

Fed ID #KS2015501

A water quality sample collected on January 10, 2006 indicates a nitrate level of 12 mg/l from point-of-entry #00123378 well 5. This exceeds the Kansas and Federal (EPA) maximum contaminant level (MCL) of 10 mg/l for public water supply systems.

Since nitrate is considered an acute violation, immediate notice must be given as soon as practical or within 24 hours. You may need to use several methods (newspaper, delivery of multiple copies to hospitals, nursing homes, clinics, mobile home parks, or apartment buildings); since notice must be provided in a manner reasonably calculated to reach all persons served.

Also, during the 24 hour time period, you must contact KDHE for consultation of the violation. After issuing the public notice, please submit to our office a copy of each type of notice that you completed and the "Certificate of Delivery" within ten (10) calendar days. This is due to KDHE by April 12, 2006.

If you have any questions, please contact me at (785) 368-8336, or by email at jhand@kdhe.state.ks.us. K.A.R. 28-15a - Primary Drinking Water Regulations adopted 40 CFR 141 by reference, these regulations can be found at our web site <http://www.kdheks.gov/pws>.

Jeffrey Hand
Public Water Supply
Bureau of Water

JH: lkw

pc: 1.0 & II/V file

PIO

SCDO

Reno County Health Department

DIVISION OF ENVIRONMENT

Bureau of Water Public Water Supply Section

CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 420, TOPEKA, KS 66612-1367

Voice 785-296-5514

Fax 785-296-5509

<http://www.kdhe.state.ks.us/>



KANSAS

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

CERTIFICATE OF DELIVERY

PWS NAME: PRETTY PRAIRIE, CITY OF
STATE ID #: T4000
FEDERAL ID #: KS2015501
VIOLATION: ACUTE NITRATE
OCCURRING: JANUARY 10, 2006

RECEIVED
APR 17 2006
BUREAU OF WATER

The public water system indicated above, hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements and deadlines in 40 CFR Part 141, subpart Q. (mark the boxes which have been used to achieve compliance with the public notice requirements)

- ☐ Consultation with primacy agency (if required) on _____
insert date name of KDHE staff contacted
- ☒ Notice distributed by U.S.P.S. on 4-5-06
insert method insert date
- ☒ Notice distributed by Publication in Ninnescah Valley News 4-14-06
insert method insert date
- ☒ Attached: Content - 10 required elements. **Copies of all public notice methods used to reach customers are required to accompany this "Certificate of Delivery".**

Patricia Brane, City Clerk
Signature of owner or operator

4-14-06
Date

Return to: Bureau of Water
Public Water Supply Section
1000 SW Jackson; Suite 420
Topeka, KS 66612-1367



CITY OF PRETTY PRAIRIE

P.O. Box 68 • 119 West Main • Pretty Prairie, Kansas 67570-0068

620-459-6392 • FAX 620-459-7354

E-Mail: pprairie@btsskynet.net • www.skyways.org/towns/PrettyPrairie

"HOME OF KANSAS' LARGEST NIGHT RODEO"

Goetz SCO

March 24, 2006

Ms. Patti J. Croy
Public Water Supply Section
Bureau of Water
Dept. of Health & Envir.
1000 S.W. Jackson St., Suite 420
Topeka, KS 66612-1367

RECEIVED

MAR 29 2006

BUREAU OF WATER

Re: 1st Quarter Nitrate Sample-ID T4000

Dear Patti:

Enclosed please find a copy of the City of Pretty Prairie's quarterly nitrate sample that was tested by KDHE certified lab, SDK Laboratories, Inc., 1000 Corey Road, Hutchinson, KS 67504-0886. The City would like to submit this test for their quarterly sampling.

If you should have any questions or need additional information, please give our office a call at 620-459-6392.

Thank you.

Sincerely,

Patti Brace
City Clerk
Enc.



1000 Corey Road
P.O. Box 886
Hutchinson, KS 67504-0886
620-665-5661
FAX: 620-665-0559
TOLL FREE: 877-464-0623
www.sdklabs.com

Sample # 104
Sample: Water
Other ID: WELL #5

Date Received: 01/11/2006
Date/Time Sampled: 1/10/2006 14:30:00
Date Reported: 01/23/2006

CITY OF PRETTY PRAIRIE
P.O. BOX 68
119 W. MAIN
PRETTY PRAIRIE, KS 67570

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
Nitrate-Nitrogen - SM 4500 NO3 - D	12.00	mg/L	1/23/2006 9:15:18	Niki

**Sample receipt temperature = 21.3 degrees C.
**These analyses were subcontracted to other laboratories for state compliance, see attached.
Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

Approved By:  Laboratory Director
Dennis Hogan

Copies:



KANSAS

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

CERTIFICATE OF DELIVERY

PWS NAME: PRETTY PRAIRIE, CITY OF

STATE ID #: T4000

FEDERAL ID #: KS2015501

VIOLATION: ACUTE NITRATE

OCCURRING: JANUARY 10, 2006

RECEIVED
APR 17 2006
BUREAU OF WATER

The public water system indicated above, hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements and deadlines in 40 CFR Part 141, subpart Q. (mark the boxes which have been used to achieve compliance with the public notice requirements)

☐ Consultation with primacy agency (if required) on _____
insert date name of KDHE staff contacted

☒ Notice distributed by U.S.P.S on 4-5-06
insert method insert date

☒ Notice distributed by Publication in Ninnescah Valley News on 4-14-06
insert method insert date

☒ Attached: Content - 10 required elements. *Copies of all public notice methods used to reach customers are required to accompany this "Certificate of Delivery".*

Ruth Brase, City Clerk
Signature of owner or operator

4-14-06
Date

Return to: Bureau of Water
Public Water Supply Section
1000 SW Jackson; Suite 420
Topeka, KS 66612-1367



KANSAS

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

March 30, 2006

PRETTY PRAIRIE, CITY OF
ATTN: CURT MILLER, MAYOR
119 W MAIN
PO BOX 68
PRETTY PRAIRIE, KS 67570-0068

Re: Acute Nitrate Violation

State ID #T4000

Fed ID #KS2015501

A water quality sample collected on January 10, 2006 indicates a nitrate level of 12 mg/l from point-of-entry #00123378 well 5. This exceeds the Kansas and Federal (EPA) maximum contaminant level (MCL) of 10 mg/l for public water supply systems.

Since nitrate is considered an acute violation, **immediate notice must be given as soon as practical or within 24 hours**. You may need to use several methods (newspaper, delivery of multiple copies to hospitals, nursing homes, clinics, mobile home parks, or apartment buildings); since notice must be provided in a manner reasonably calculated to reach all persons served.

Also, during the 24 hour time period, you must contact KDHE for consultation of the violation. After issuing the public notice, please submit to our office a copy of each type of notice that you completed and the "Certificate of Delivery" within ten (10) calendar days. This is due to KDHE by April 12, 2006.

If you have any questions, please contact me at (785) 368-8336, or by email at jhand@kdhe.state.ks.us. K.A.R. 28-15a - Primary Drinking Water Regulations adopted 40 CFR 141 by reference, these regulations can be found at our web site <http://www.kdheks.gov/pws>.

Jeffrey Hand
Public Water Supply
Bureau of Water

JH: lkw

pc: 1.0 & II/V file
PIO
SCDO
Reno County Health Department

Date of Viol.	Contaminant Viol type (MCL/Mon)	Date of NOV	Viol to SDWIS	PN made	PN correct
1st 907 2nd 2007 3/13/07 3-19-07	Nitrate 13.8mg/l	3/20/07	-	by mail 3-26-07 Newspaper 3-30-07	✓
3rd 244 2006 9	Ni ment.	2/14/07	✓	2/20/07 by mail	✓
SDX Lab 5/11/06 Pond Bow 6-29-06	Ni 13mg/l	6/30/06	✓	Paper 7-7-06 7/13/06 by mail	✓
3-29-06 Pond Bow + PN VIO.	Ni 12mg/l	3/30/06	✓	Paper 4/14/06 4-5-06 mail	✓
5/31/05	Ni 12mg/l	6/24/05	✓	7/20/05	✓
2/14/05	11.7mg/l	3/8/05	✓	3/25/05	✓

Samples

10/12/05 well #5 6.94 mg/l N

8/1/05 " 10.2

PWS Name Pretty Prairie

PWS ID number KS2015501

System type CWS - GW Population 600

1. For violations occurring between Jan 06 – Dec 06
Date, contaminant & type of violations, dates of NOV, reported to SDWIS, PN of violation made as required, was PN correct, did system RTC?
(note information below or check off correct information on SDWIS report)
2. Did SDWIS contain violations that were not documented in the file?
3. Did same violations occur previous to Jan 06? How often? How far back to they go?
4. Did same violations continue after Dec 06? How often? Current status of system?
5. What enforcement action was taken, when was action taken?
NO 10/12/1996 or 1997
6. Was enforcement action taken in accordance with the state's enforcement or escalation policy?
7. Was enforcement action taken in a timely manner? Was action appropriate? Was action successful in returning system to compliance?
8. Are 2006 CCRs correct?
mailed to system 1/11/07, appears correct
9. Follow-up questions for state staff.

PN for Jan violation

Brune, Doug

From: Huffman, Diane
Sent: Thursday, January 09, 2014 1:44 PM
To: Darrel Plummer; Marquess, Scott; Brune, Doug
Subject: RE: Pretty Prairie KS2015501 upset customer - nitrate complaint

Thanks for sending this on. I talked to Ms. Detter and let her know we did meet with the city last month about their drinking water issues, what they had done recently and what their future plans were. She said she asked for bottled water and they agreed to provide it to her. She is concerned that something needs to be done and that we are going to have to make the city do it.

From: Darrel Plummer [mailto:DPlummer@kdheks.gov]
Sent: Thursday, January 09, 2014 10:36 AM
To: Marquess, Scott; Brune, Doug
Cc: Huffman, Diane
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

FYI

From: Dianne C. Sands
Sent: Thursday, January 09, 2014 10:33 AM
To: Darrel Plummer
Cc: PWS Image Now Mailbox
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

Don't know if you want to send word or not to Doug Brune that a phone call is coming his way.

This morning I received a call from Kimberly Detter, a customer of Pretty Prairie water system. She is upset that the nitrate levels in the water have now reached 20 mg/L and "no one is doing nothing about it."

One of her first calls was to EPA Safe Drinking Water Hotline. They told her it was all in the hands of the state and instructed her to call KDHE.

She is very upset and concerned. I gave her the number of Doug Brune at EPA Region 7 to see if EPA has any enforcement actions pending on Pretty Prairie. I explained to her that the Region 7 office is going to be familiar with the Pretty Prairie situation, where the national hotline person probably was not. I also gave her some other information to try and help her understand why Pretty Prairie is providing bottled water for pregnant women, nursing mothers, and babies < 6 months, but not to everyone (blue baby syndrome).

Here are some statements I made:

- She asked at what level of nitrate in the water does it become unsafe for people > 6 months to drink? I talked about the inability of infants to process nitrate, but > 6 months does not have this health concern with nitrate in the water. During this part of the conversation I suggested she visit CDC website to get information on what levels of total nitrate ingested (water, food, etc) would be unsafe.
- She asked why is Pretty Prairie being allowed to serve this unsafe drinking water for so long, and the levels are going up and up and now it's 2x the amount of the MCL. I talked with her a little bit about how a system's water quality can change over time, how regulations go through changes (from RAA to single sample violations), options of treating water with high nitrate is very costly (just as Pretty Prairie has stated) and includes things like installation of new treatment technology, finding a new source of water, etc.

- She asked who else in the state is serving water exceeding nitrate levels of 10 mg/L and especially as high as 20 mg/L? We talked about the fact that while water systems are working on remediating nitrate levels they normally do continue to serve water over 10 mg/L and are normally required to provide bottled water for pregnant women, nursing mothers, and babies < 6 months. We also talked about the nitrate level for community water systems is 10 mg/L, and for non-community water systems is 20 mg/L.

It was a very long phone call with a very upset, concerned person, but I believe this summarizes the information I provided her.

Thank You,

Dianne Sands
Compliance Officer/Environmental Scientist
Public Water Supply Section, Bureau of Water
Kansas Dept of Health & Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612
Tel: 785-368-8336 Fax: 785-296-5509
Email: dsands@kdheks.gov

Brune, Doug

From: Brune, Doug
Sent: Thursday, January 09, 2014 1:45 PM
To: Mindrup, Mary
Subject: FW: Pretty Prairie KS2015501 upset customer - nitrate complaint

Summary of Diane's call to Ms. Detter.

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

From: Huffman, Diane
Sent: Thursday, January 09, 2014 1:44 PM
To: Darrel Plummer; Marquess, Scott; Brune, Doug
Subject: RE: Pretty Prairie KS2015501 upset customer - nitrate complaint

Thanks for sending this on. I talked to Ms. Detter and let her know we did meet with the city last month about their drinking water issues, what they had done recently and what their future plans were. She said she asked for bottled water and they agreed to provide it to her. She is concerned that something needs to be done and that we are going to have to make the city do it.

From: Darrel Plummer [<mailto:DPlummer@kdheks.gov>]
Sent: Thursday, January 09, 2014 10:36 AM
To: Marquess, Scott; Brune, Doug
Cc: Huffman, Diane
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

FYI

From: Dianne C. Sands
Sent: Thursday, January 09, 2014 10:33 AM
To: Darrel Plummer
Cc: PWS Image Now Mailbox
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

Don't know if you want to send word or not to Doug Brune that a phone call is coming his way.

This morning I received a call from Kimberly Detter, a customer of Pretty Prairie water system. She is upset that the nitrate levels in the water have now reached 20 mg/L and "no one is doing nothing about it."

One of her first calls was to EPA Safe Drinking Water Hotline. They told her it was all in the hands of the state and instructed her to call KDHE.

She is very upset and concerned. I gave her the number of Doug Brune at EPA Region 7 to see if EPA has any enforcement actions pending on Pretty Prairie. I explained to her that the Region 7 office is going to be familiar with the Pretty Prairie situation, where the national hotline person probably was not. I also gave her some other information to try and help her understand why Pretty Prairie is providing bottled water for pregnant women, nursing mothers, and babies < 6 months, but not to everyone (blue baby syndrome).

Here are some statements I made:

- She asked at what level of nitrate in the water does it become unsafe for people > 6 months to drink? I talked about the inability of infants to process nitrate, but > 6 months does not have this health concern with nitrate in the water. During this part of the conversation I suggested she visit CDC website to get information on what levels of total nitrate ingested (water, food, etc) would be unsafe.
- She asked why is Pretty Prairie being allowed to serve this unsafe drinking water for so long, and the levels are going up and up and now it's 2x the amount of the MCL. I talked with her a little bit about how a system's water quality can change over time, how regulations go through changes (from RAA to single sample violations), options of treating water with high nitrate is very costly (just as Pretty Prairie has stated) and includes things like installation of new treatment technology, finding a new source of water, etc.
- She asked who else in the state is serving water exceeding nitrate levels of 10 mg/L and especially as high as 20 mg/L? We talked about the fact that while water systems are working on remedying nitrate levels they normally do continue to serve water over 10 mg/L and are normally required to provide bottled water for pregnant women, nursing mothers, and babies < 6 months. We also talked about the nitrate level for community water systems is 10 mg/L, and for non-community water systems is 20 mg/L.

It was a very long phone call with a very upset, concerned person, but I believe this summarizes the information I provided her.

Thank You,

Dianne Sands
Compliance Officer/Environmental Scientist
Public Water Supply Section, Bureau of Water
Kansas Dept of Health & Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612
Tel: 785-368-8336 Fax: 785-296-5509
Email: dsands@kdheks.gov

Brune, Doug

From: Brune, Doug
Sent: Thursday, January 09, 2014 11:01 AM
To: Mindrup, Mary
Subject: FW: Pretty Prairie KS2015501 upset customer - nitrate complaint

Importance: High

Hello, Mary:

Here is the e-mail that was referenced in the voice-mail that I forwarded to Diane.

I copied the voice-mail to your and Scott (who will be out of the office until next Monday).

Thank you for your time.

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

From: Darrel Plummer [mailto:DPlummer@kdheks.gov]
Sent: Thursday, January 09, 2014 10:36 AM
To: Marquess, Scott; Brune, Doug
Cc: Huffman, Diane
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

FYI

From: Dianne C. Sands
Sent: Thursday, January 09, 2014 10:33 AM
To: Darrel Plummer
Cc: PWS Image Now Mailbox
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

Don't know if you want to send word or not to Doug Brune that a phone call is coming his way.

This morning I received a call from Kimberly Detter, a customer of Pretty Prairie water system. She is upset that the nitrate levels in the water have now reached 20 mg/L and "no one is doing nothing about it."

One of her first calls was to EPA Safe Drinking Water Hotline. They told her it was all in the hands of the state and instructed her to call KDHE.

She is very upset and concerned. I gave her the number of Doug Brune at EPA Region 7 to see if EPA has any enforcement actions pending on Pretty Prairie. I explained to her that the Region 7 office is going to be familiar with the

Pretty Prairie situation, where the national hotline person probably was not. I also gave her some other information to try and help her understand why Pretty Prairie is providing bottled water for pregnant women, nursing mothers, and babies < 6 months, but not to everyone (blue baby syndrome).

Here are some statements I made:

- She asked at what level of nitrate in the water does it become unsafe for people > 6 months to drink? I talked about the inability of infants to process nitrate, but > 6 months does not have this health concern with nitrate in the water. During this part of the conversation I suggested she visit CDC website to get information on what levels of total nitrate ingested (water, food, etc) would be unsafe.
- She asked why is Pretty Prairie being allowed to serve this unsafe drinking water for so long, and the levels are going up and up and now it's 2x the amount of the MCL. I talked with her a little bit about how a system's water quality can change over time, how regulations go through changes (from RAA to single sample violations), options of treating water with high nitrate is very costly (just as Pretty Prairie has stated) and includes things like installation of new treatment technology, finding a new source of water, etc.
- She asked who else in the state is serving water exceeding nitrate levels of 10 mg/L and especially as high as 20 mg/L? We talked about the fact that while water systems are working on remedying nitrate levels they normally do continue to serve water over 10 mg/L and are normally required to provide bottled water for pregnant women, nursing mothers, and babies < 6 months. We also talked about the nitrate level for community water systems is 10 mg/L, and for non-community water systems is 20 mg/L.

It was a very long phone call with a very upset, concerned person, but I believe this summarizes the information I provided her.

Thank You,

Dianne Sands
Compliance Officer/Environmental Scientist
Public Water Supply Section, Bureau of Water
Kansas Dept of Health & Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612
Tel: 785-368-8336 Fax: 785-296-5509
Email: dsands@kdheks.gov

Brune, Doug

From: Darrel Plummer <DPlummer@kdheks.gov>
Sent: Thursday, January 09, 2014 10:36 AM
To: Marquess, Scott; Brune, Doug
Cc: Huffman, Diane
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint

Importance: High

FYI

From: Dianne C. Sands
Sent: Thursday, January 09, 2014 10:33 AM
To: Darrel Plummer
Cc: PWS Image Now Mailbox
Subject: Pretty Prairie KS2015501 upset customer - nitrate complaint
Importance: High

Don't know if you want to send word or not to Doug Brune that a phone call is coming his way.

This morning I received a call from Kimberly Detter, a customer of Pretty Prairie water system. She is upset that the nitrate levels in the water have now reached 20 mg/L and "no one is doing nothing about it."

One of her first calls was to EPA Safe Drinking Water Hotline. They told her it was all in the hands of the state and instructed her to call KDHE.

She is very upset and concerned. I gave her the number of Doug Brune at EPA Region 7 to see if EPA has any enforcement actions pending on Pretty Prairie. I explained to her that the Region 7 office is going to be familiar with the Pretty Prairie situation, where the national hotline person probably was not. I also gave her some other information to try and help her understand why Pretty Prairie is providing bottled water for pregnant women, nursing mothers, and babies < 6 months, but not to everyone (blue baby syndrome).

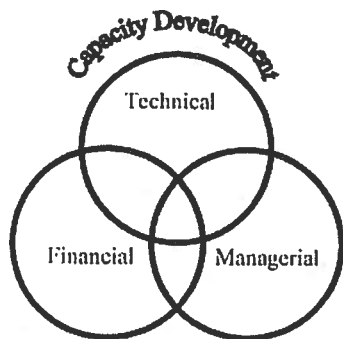
Here are some statements I made:

- She asked at what level of nitrate in the water does it become unsafe for people > 6 months to drink? I talked about the inability of infants to process nitrate, but > 6 months does not have this health concern with nitrate in the water. During this part of the conversation I suggested she visit CDC website to get information on what levels of total nitrate ingested (water, food, etc) would be unsafe.
- She asked why is Pretty Prairie being allowed to serve this unsafe drinking water for so long, and the levels are going up and up and now it's 2x the amount of the MCL. I talked with her a little bit about how a system's water quality can change over time, how regulations go through changes (from RAA to single sample violations), options of treating water with high nitrate is very costly (just as Pretty Prairie has stated) and includes things like installation of new treatment technology, finding a new source of water, etc.
- She asked who else in the state is serving water exceeding nitrate levels of 10 mg/L and especially as high as 20 mg/L? We talked about the fact that while water systems are working on remedying nitrate levels they normally do continue to serve water over 10 mg/L and are normally required to provide bottled water for pregnant women, nursing mothers, and babies < 6 months. We also talked about the nitrate level for community water systems is 10 mg/L, and for non-community water systems is 20 mg/L.

It was a very long phone call with a very upset, concerned person, but I believe this summarizes the information I provided her.

Thank You,

Dianne Sands
Compliance Officer/Environmental Scientist
Public Water Supply Section, Bureau of Water
Kansas Dept of Health & Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612
Tel: 785-368-8336 Fax: 785-296-5509
Email: dsands@kdheks.gov



Kansas Department of Health and Environment
Public Water Supply Section
Capacity Development Program

SYF 2013

Small PWS System Planning Grant Pilot Project Application

Date Received by KDHE _____

KDHE Project Number _____

Application does not guarantee funding by KDHE. Pilot project funding to approved applicants shall not exceed 50% of the costs for a preliminary engineering report, and in any case shall not exceed \$5,000. If approved the small water system and KDHE shall enter into an agreement as described in Section IV, page 2 (Project Timelines) of the Instructions.

Name of Small PWS System: City of Pretty Prairie Public Water Supply

Name and Title of Contact Person: Patti Brace, City Clerk

Street Address or P.O. Box 119 W. Main St, PO Box 68

City Pretty Prairie State KS Zip Code 67570 Tax ID No. 48-6090223

Telephone 620-459-6392 FAX 620-459-7354

E-mail pprairie@btsskynet.net

1. Provide a brief narrative of the proposed pilot project:

The City of Pretty Prairie's public water supply is not in compliance with the current drinking water standards and exceeds the 10 mg/liter standard. The City's last nitrate reading was 21.2 mg/liter. The City's current water source is surrounded by productive agricultural ground and crop circle irrigation systems. Groundwater studies have indicated that the source of nitrates is most likely fertilizer related. The City is contemplating treatment to remove the nitrates to an acceptable level.

2. What issues would the proposed pilot project address?

Treatment would remove the nitrates and our system would then be in compliance with State and Federal regulations. This would be a permanent solution to an on-going problem, restoring public confidence in our water supply.

I certify that I am authorized to sign this application on behalf of the small public water supply system. To the best of my knowledge and belief, the information provided in this application is true and accurate.

Michael B. Seyb

Signature and Title of Authorized Official

Patti Brace, City Clerk

Witness Name and Title

Date

January 9, 2014

Michael B. Seyb, Mayor

Print or Type Name and Title

Patti Brace, City Clerk

Print Name and Title

Brune, Doug

From: Darrel Plummer <DPlummer@kdheks.gov>
Sent: Wednesday, March 19, 2014 11:48 AM
To: Marquess, Scott
Cc: Brune, Doug
Subject: RE: Pretty Prairie DW complaint

Will have our SCDO follow-up with the city.

Thanx,
Darrel

From: Marquess, Scott [mailto:Marquess.Scott@epa.gov]
Sent: Wednesday, March 19, 2014 11:38 AM
To: Darrel Plummer
Cc: Brune, Doug
Subject: Pretty Prairie DW complaint

FYI; apparently there was no contact info included with the complaint.

From: davis.madlyn@epa.gov [mailto:davis.madlyn@epa.gov]
Sent: Wednesday, March 19, 2014 10:00 AM
To: Marquess, Scott
Cc: mindrup.mary@mintra12.rtp.epa.gov
Subject: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas

03/19/2014

SUBJECT: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas
FROM: davis.madlyn@epa.gov
TO: marquess.scott@epa.gov
CC: mindrup.mary

Complaint

-----Original Message-----

3/18/2014 11:35 AM

HQ LEAD NUMBER: FY14-115805-3715-CV

SUBJECT: Referred to Region - Kansas

FROM:

TO:

Alleged Violator's Name: city of pretty prairie ks

Alleged Violator's Address: city of pretty prairie ks

Alleged Violator's City: city of pretty prairie ks

Alleged Violator's State: Kansas

Alleged Violator's Zip: 67570

Tip or Complaint: nitrates in water getting higher and city doing nothing water smells like the sewer at times. I am in the city of Pretty Prairie KS. City not doing anything to clean up the water. said to let water run and see if that helped. It did not.

Violation Still Occurring? Yes

State DEP/DEQ/DEM Notified? No

Brune, Doug

From: Marquess, Scott
Sent: Wednesday, March 19, 2014 11:38 AM
To: Darrel Plummer
Cc: Brune, Doug
Subject: Pretty Prairie DW complaint

FYI; apparently there was no contact info included with the complaint.

From: davis.madlyn@epa.gov [mailto:davis.madlyn@epa.gov]
Sent: Wednesday, March 19, 2014 10:00 AM
To: Marquess, Scott
Cc: mindrup.mary@mintra12.rtp.epa.gov
Subject: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas

03/19/2014

SUBJECT: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas
FROM: davis.madlyn@epa.gov
TO: marquess.scott@epa.gov
CC: mindrup.mary

Complaint

-----Original Message-----

3/18/2014 11:35 AM

HQ LEAD NUMBER: FY14-115805-3715-CV

SUBJECT: Referred to Region - Kansas

FROM:

TO:

Alleged Violator's Name: city of pretty prairie ks

Alleged Violator's Address: city of pretty prairie ks

Alleged Violator's City: city of pretty prairie ks

Alleged Violator's State: Kansas

Alleged Violator's Zip: 67570

Tip or Complaint: nitrates in water getting higher and city doing nothing water smells like the sewer at times. I am in the city of Pretty Prairie KS. City not doing anything to clean up the water. said to let water run and see if that helped. It did not.

Violation Still Occurring? Yes

State DEP/DEQ/DEM Notified? No

Brune, Doug

From: Darrel Plummer <DPlummer@kdheks.gov>
Sent: Thursday, March 20, 2014 5:41 PM
To: Marquess, Scott
Cc: Brune, Doug; Mike Tate
Subject: Pretty Prairie DW complaint

Scott,

Attached below is follow-up completed by our district engineer on the complaint for Pretty Prairie you forwarded to us March 19th.

We will consider the matter addressed and closed. Please let me know if EPA receives anything further.

Thanx,

Darrel R. Plummer
Chief, Public Water Supply Section
Kansas Dept. of Health and Environment
Bureau of Water - Public Water Supply Section
1000 SW Jackson; Suite 420
Topeka, KS 66612
Phone: (785) 296-5523
Fax: (785) 296-5509

From: John Goetz
Sent: Thursday, March 20, 2014 5:00 PM
To: Darrel Plummer
Cc: April Dixon; Allison Herring; Dianne C. Sands; Clay Randel; Sabrina Cantrell
Subject: RE: Pretty Prairie DW complaint

I called the city office today. They have not had any unusual recent problems with the PWS. They said they remember a person called a few weeks ago with a similar complaint. They city did advise them to let their water run and flush their lines. After my call the city went out today and opened a fire hydrant near the suspected complainant's house to flush the main line. The city said they have received no other odor complaints about the water supply. I also checked with my brother-in-law who lives there and he said he has not noticed any odors using the water supply. The city advised me that the suspected complainant is currently in a major zoning dispute with the city and may be a factor with them calling EPA.

It was my understanding KDHE / EPA were addressing the nitrate MCL violations with the city so I did not raise that issue.

This is a GW system therefore it would be very unusual for sewage odor complaints which are more associated with SW systems.

Since this is a single complaint any odor issues may be due to internal plumbing issues at the residence.

Since the complaint was anonymous we can not contact the complainant. Does this deserve any further follow up?

John Paul Goetz P.E.
District Water Engineer
Bureau of Environmental Field Services
Kansas Dept. of Health and Environment

130 S. Market Suite 6050
Wichita, Kansas 67202
316-337-6058
316-337-6023 Fax
Please note my new email address jgoetz@kdheks.gov

From: Darrel Plummer
Sent: Wednesday, March 19, 2014 11:47 AM
To: John Goetz
Cc: April Dixon; Allison Herring; Dianne C. Sands
Subject: Pretty Prairie DW complaint

JP,
Can you or your staff please touch base with Pretty Prairie and see if there is anything unusual going on with the water right now.

Thanx,
Darrel

From: Marquess, Scott [<mailto:Marquess.Scott@epa.gov>]
Sent: Wednesday, March 19, 2014 11:38 AM
To: Darrel Plummer
Cc: Brune, Doug
Subject: Pretty Prairie DW complaint

FYI; apparently there was no contact info included with the complaint.

From: davis.madlyn@epa.gov [<mailto:davis.madlyn@epa.gov>]
Sent: Wednesday, March 19, 2014 10:00 AM
To: Marquess, Scott
Cc: mindrup.mary@mintra12.rtp.epa.gov
Subject: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas

03/19/2014

SUBJECT: FWD: (SDWA - FY14-115805-3715-CV) Referred to Region - Kansas
FROM: davis.madlyn@epa.gov
TO: marquess.scott@epa.gov
CC: mindrup.mary

Complaint

-----Original Message-----

3/18/2014 11:35 AM

HQ LEAD NUMBER: FY14-115805-3715-CV

SUBJECT: Referred to Region - Kansas

FROM:

TO:

Alleged Violator's Name: city of pretty prairie ks

Alleged Violator's Address: city of pretty prairie ks

Alleged Violator's City: city of pretty prairie ks

Alleged Violator's State: Kansas

Alleged Violator's Zip: 67570

Tip or Complaint: nitrates in water getting higher and city doing nothing water smells like the sewer at times. I am in the city of Pretty Prairie KS. City not doing anything to clean up the water. said to let water run and see if that helped. It did not.

Violation Still Occurring? Yes

State DEP/DEQ/DEM Notified? No

Brune, Doug

From: Brune, Doug
Sent: Friday, June 06, 2014 2:03 PM
To: Darrel Plummer
Cc: ctuckerv@kdheks.gov; wcarr@kdheks.gov; DSands@kdheks.gov; dclair@kdheks.gov
Subject: FYI - Biologic Treatment for Nitrate

Good afternoon:

I read in the Huchison News from a Topeka Capital Journal article that Pretty Prairie received an engineering report, and plans to come to Topeka on Tuesday to learn of funding potentials.

I was searching the AWWA website about their conference next week, and learned of a new treatment for nitrate (biologic).

Below is a page from one of the system's recent newsletter. And here is more information about the demonstration event:

<http://www.pipestonestar.com/Stories/Story.cfm?SID=41264>

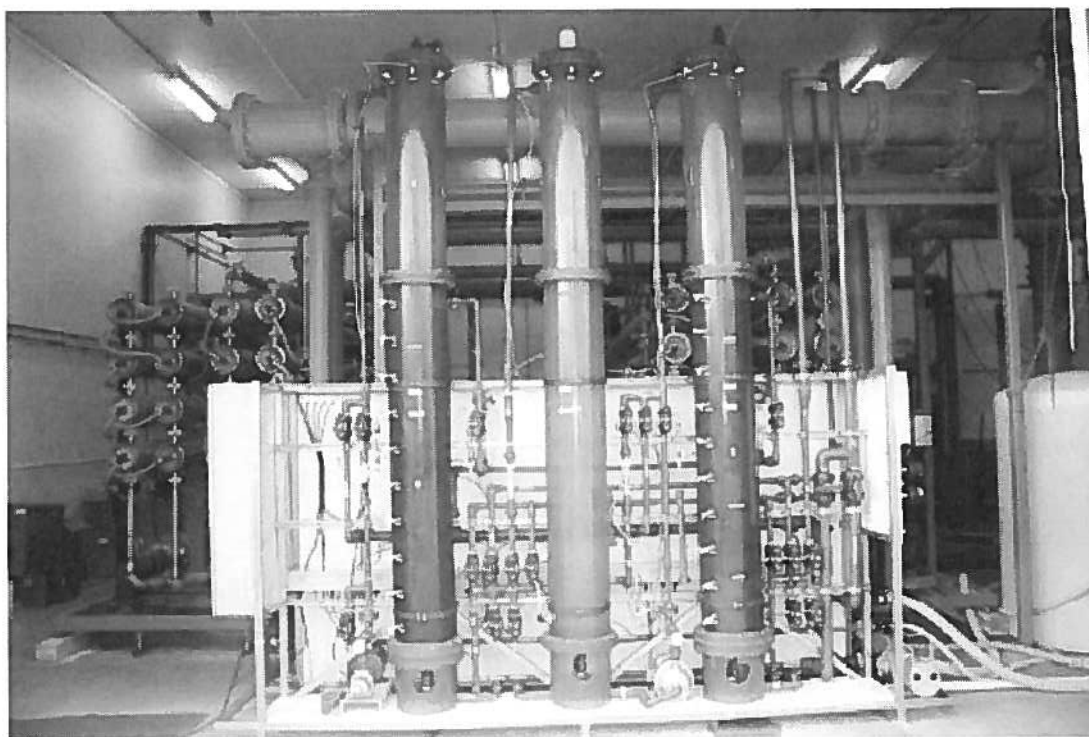
I have a request into the Minnesota Dept of Health for results on this demonstration event that were/are due in January.

Please note this is not an endorsement.

If you are meeting with Pretty Prairie next week, you might want to consider this as an option.

Enjoy the weekend.

Exploring New Treatment Processes



Downloading (1,021.30 KB of 1 MB) : http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

Brune, Doug

From: Cathy Tucker-Vogel <CTuckerv@kdheks.gov>
Sent: Friday, June 06, 2014 2:34 PM
To: Brune, Doug; Darrel Plummer
Cc: William Carr; Dianne C. Sands; Dan Clair
Subject: RE: FYI - Biologic Treatment for Nitrate

Doug,

Just an FYI, the Engineering Report funded in part by KDHE has not been submitted. The PER mentioned in the newspaper was sent to the KS Dept. of Commerce with a request for CDBG funding. We are waiting for the "official" PER prepared under our grant agreement to be submitted.

Thanks for the info☺

Thanks,

Cathy

Cathy Tucker-Vogel
KDHE - Public Water Supply Section
1000 SW Jackson Street, Suite 420
Topeka, KS 66612-1367
Phone: (785) 368-7130
FAX: (785) 296-5509
www.kdheks.gov/water

From: Brune, Doug [mailto:Brune.Doug@epa.gov]
Sent: Friday, June 06, 2014 2:03 PM
To: Darrel Plummer
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: FYI - Biologic Treatment for Nitrate

Good afternoon:

I read in the Huchison News from a Topeka Capital Journal article that Pretty Prairie received an engineering report, and plans to come to Topeka on Tuesday to learn of funding potentials.

I was searching the AWWA website about their conference next week, and learned of a new treatment for nitrate (biologic).

Below is a page from one of the system's recent newsletter. And here is more information about the demonstration event:

<http://www.pipestonestar.com/Stories/Story.cfm?SID=41264>

I have a request into the Minnesota Dept of Health for results on this demonstration event that were/are due in January.

Please note this is not an endorsement.

If you are meeting with Pretty Prairie next week, you might want to consider this as an option.

Enjoy the weekend.

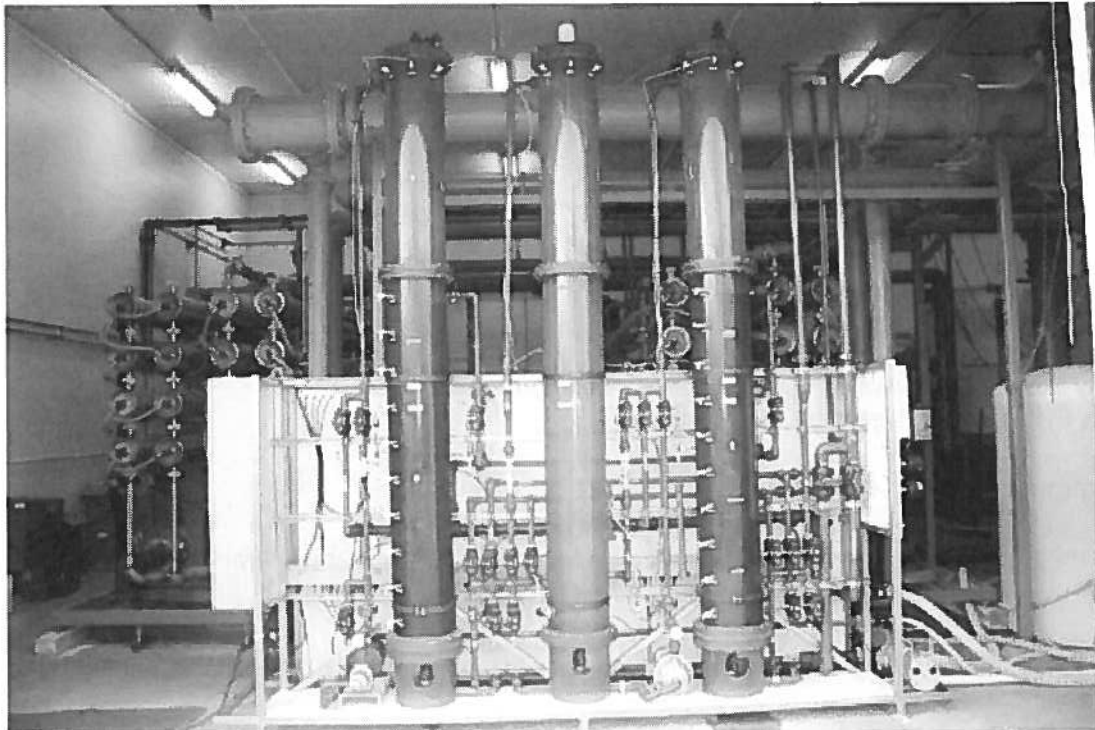
← → http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

ruralwaterusa.com

File Edit Go to Favorites Help

★ <http://dnr.wi.gov/regulati...> One EPA Workplace KDHE Public Water Suppl... KDHE Operator Certificati... F

Exploring New Treatment Processes



Downloading (1,021.30 KB of 1 MB) : http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

Internet Explor... Lync Inbox - Brune, ... 2014 Federal E... UC

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

Brune, Doug

From: Darrel Plummer <DPlummer@kdheks.gov>
Sent: Friday, June 06, 2014 2:34 PM
To: Brune, Doug
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: RE: FYI - Biologic Treatment for Nitrate

From my read of this they are only addressing the waste stream side of the process. Typically, RO for nitrate removal is expensive in itself, then there is the cost for the handling of the waste stream and other operation and maintenance. If this process works, I can see it, maybe, making the differences in cost between RO and ion exchange less dramatic at best but for systems that aren't already treating for nitrates, ion exchange treatment will still likely be cheaper and that is still a huge "bite" for these small systems. We would at least require a demonstration project for any system that is seriously considering this in Kansas.

Thanx,
Darrel

From: Brune, Doug [mailto:Brune.Doug@epa.gov]
Sent: Friday, June 06, 2014 2:03 PM
To: Darrel Plummer
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: FYI - Biologic Treatment for Nitrate

Good afternoon:

I read in the Huchison News from a Topeka Capital Journal article that Pretty Prairie received an engineering report, and plans to come to Topeka on Tuesday to learn of funding potentials.

I was searching the AWWA website about their conference next week, and learned of a new treatment for nitrate (biologic).

Below is a page from one of the system's recent newsletter. And here is more information about the demonstration event:

<http://www.pipestonestar.com/Stories/Story.cfm?SID=41264>

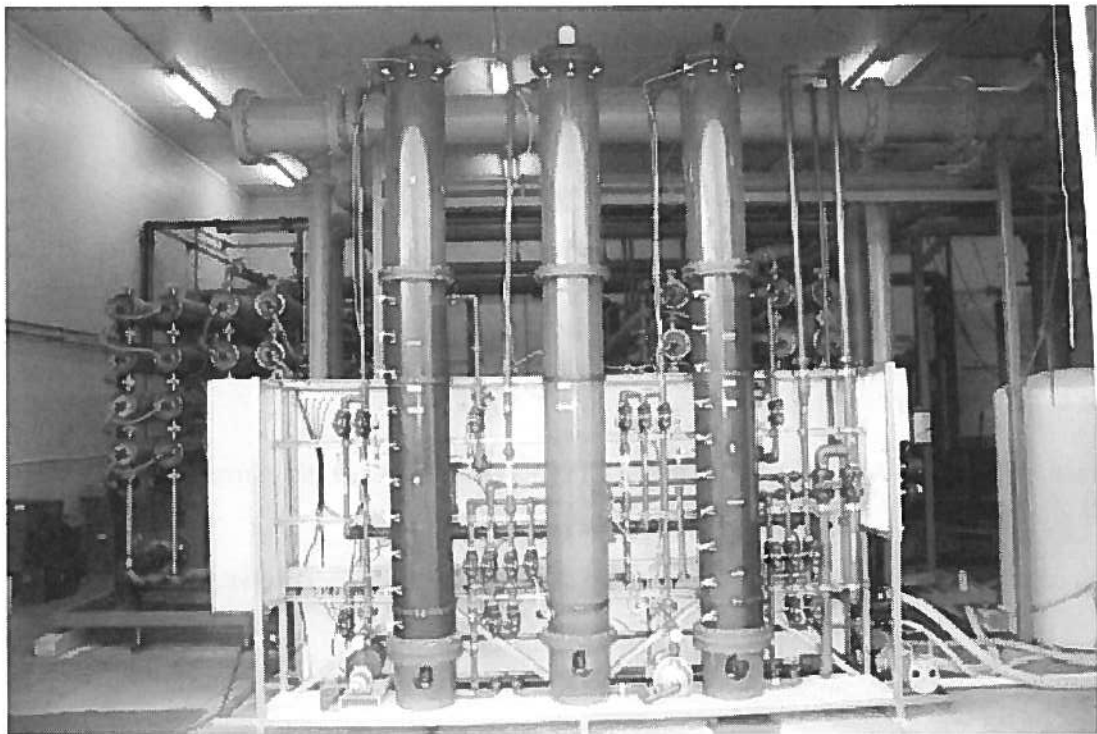
I have a request into the Minnesota Dept of Health for results on this demonstration event that were/are due in January.

Please note this is not an endorsement.

If you are meeting with Pretty Prairie next week, you might want to consider this as an option.

Enjoy the weekend.

Exploring New Treatment Processes



Downloading (1,021.30 KB of 1 MB) : http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward



Brune, Doug

From: Brune, Doug
Sent: Friday, June 06, 2014 2:49 PM
To: Darrel Plummer
Subject: RE: FYI - Biologic Treatment for Nitrate

Just curious, Darrel:

Is connecting to Kingman RWD #1 even a consideration?

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

From: Darrel Plummer [mailto:DPlummer@kdheks.gov]
Sent: Friday, June 06, 2014 2:34 PM
To: Brune, Doug
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: RE: FYI - Biologic Treatment for Nitrate

From my read of this they are only addressing the waste stream side of the process. Typically, RO for nitrate removal is expensive in itself, then there is the cost for the handling of the waste stream and other operation and maintenance. If this process works, I can see it, maybe, making the differences in cost between RO and ion exchange less dramatic at best but for systems that aren't already treating for nitrates, ion exchange treatment will still likely be cheaper and that is still a huge "bite" for these small systems. We would at least require a demonstration project for any system that is seriously considering this in Kansas.

Thanx,
Darrel

From: Brune, Doug [mailto:Brune.Doug@epa.gov]
Sent: Friday, June 06, 2014 2:03 PM
To: Darrel Plummer
Cc: Cathy Tucker-Vogel; William Carr; Dianne C. Sands; Dan Clair
Subject: FYI - Biologic Treatment for Nitrate

Good afternoon:

I read in the Huchison News from a Topeka Capital Journal article that Pretty Prairie received an engineering report, and plans to come to Topeka on Tuesday to learn of funding potentials.

I was searching the AWWA website about their conference next week, and learned of a new treatment for nitrate (biologic).

Below is a page from one of the system's recent newsletter. And here is more information about the demonstration event:

<http://www.pipestonestar.com/Stories/Story.cfm?SID=41264>

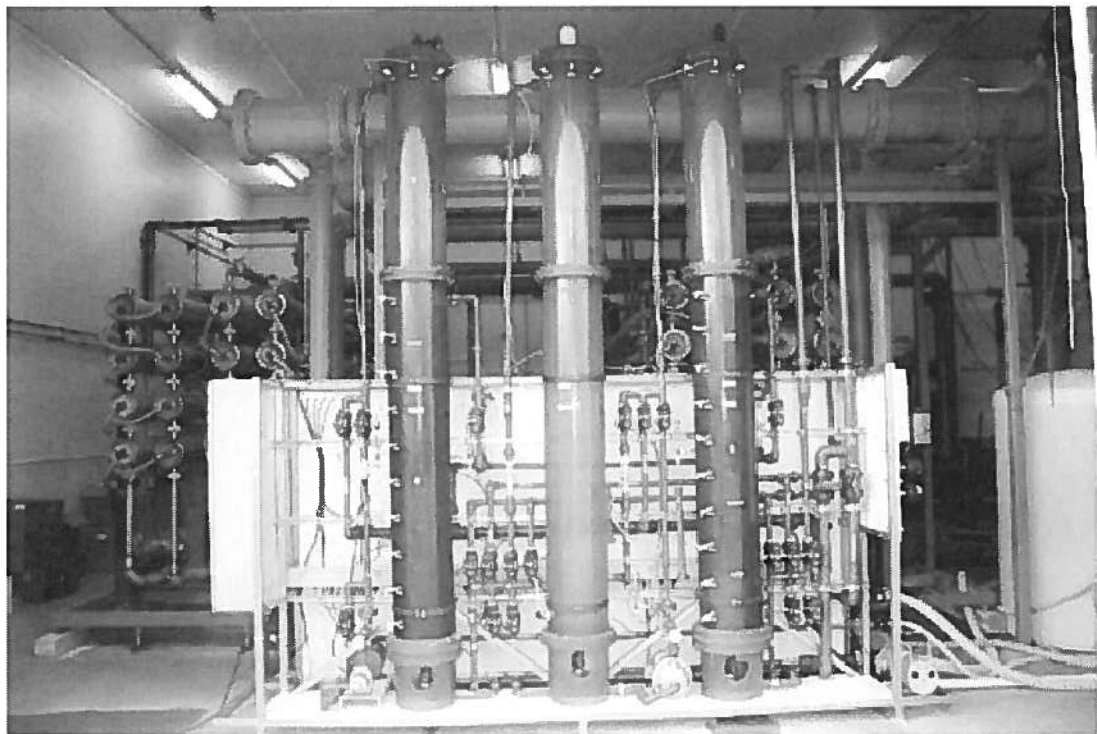
I have a request into the Minnesota Dept of Health for results on this demonstration event that were/are due in January.

Please note this is not an endorsement.

If you are meeting with Pretty Prairie next week, you might want to consider this as an option.

Enjoy the weekend.

Exploring New Treatment Processes



Downloading (1,021.30 KB of 1 MB) : http://lprw.ruralwaterusa.com/documents/325/2013_Newsletter.pdf

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward

Brune, Doug

From: Mike Tate <mtate@kdheks.gov>
Sent: Monday, June 09, 2014 11:30 AM
To: Flournoy, Karen; Huffman, Diane
Cc: Marquess, Scott; Mindrup, Mary; Brune, Doug; Darrel Plummer
Subject: RE: Pretty Prairie; Small Kansas town faces \$4.6 million bill for broken water system

As Karen notes, this a significant issue – one that might bear some discussion at the upcoming 4-state Director's meeting. This is the same issue we discussed previously among KDHE and EPA staff regarding enforcement on cities without the wherewithal to pay. I agree with Karen, we are surely not the only state facing this issue.

Also as a heads up, a former city council person and former state representative from Pretty Prairie are meeting with the Secretary and John Mitchell regarding Pretty Prairie on Wednesday. The former city commissioner is Ed Markle and a recent news article/video quoting him follows. We have briefed the Secretary on the issue.

<http://ksn.com/2014/06/04/small-town-faces-huge-bill-to-fix-water-system/>

Pretty Prairie is also coming in to meet with our Kansas Interagency Advisory Council (KIAC) to look at funding possibilities tomorrow. After both of those meetings, I suspect we will be following up with the Secretary.

We will keep you informed.

Thanks

Michael B. Tate, PE, Director
Bureau of Water
Kansas Department of Health and Environment
1000 SW Jackson St, Ste 420
Topeka, KS 66612-1367
785.296.5504 (Phone)
785.296.0086 (Fax)

From: Flournoy, Karen [mailto:Flournoy.Karen@epa.gov]
Sent: Monday, June 09, 2014 8:07 AM
To: Huffman, Diane
Cc: Marquess, Scott; Mindrup, Mary; Brune, Doug; Mike Tate; Darrel Plummer
Subject: Pretty Prairie; Small Kansas town faces \$4.6 million bill for broken water system

All-Darrel raises a very good point in his email. There needs to be a way to provide safe water without bankrupting the communities and negatively impacting state SRF programs.

Is there a possibility the EFC along with one or both universities could look at how to address these small communities? Yes-I realize it would take \$ but it is important so we can do some leg work to find \$. Do we know or can we find out if ORD is doing anything on this issue? I doubt we are the only Region facing this issue-we may have more small rural towns, but they exist in other states, too. I think we need to put some effort and leadership into this topic. What is OGWDW's take on this issue? What is ASDWA doing on this? thanks Karen

From: Huffman, Diane
Sent: Monday, June 09, 2014 7:28 AM
To: Flournoy, Karen
Subject: Fw: Pretty Prairie; Small Kansas town faces \$4.6 million bill for broken water system

We should discuss.

From: Darrel Plummer <DPlummer@kdheks.gov>

Sent: Friday, June 06, 2014 4:21:05 PM

To: Brune, Doug; Marquess, Scott

Cc: Mindrup, Mary; Huffman, Diane

Subject: Pretty Prairie; Small Kansas town faces \$4.6 million bill for broken water system

Assume you saw this by now but thought I'd pass this along anyway.

<http://cjonline.com/news/2014-06-04/small-kansas-town-faces-46-million-bill-broken-water-system>

This emphasizes our concerns about these small systems; like Pretty Prairie and smaller systems under 200 pop. like Englewood, Bogue, Timken and Mahaska. As I've said before, these are dying communities, they are not growing and thriving. I'm afraid the time is coming when these systems will begin defaulting on the SRF and RD loans we so eagerly "pushed" them into so they could meet state and federal regulatory requirements. Being a state that leverages the SRF programs through the bond market we are not anxious to make loans of this magnitude to these types of systems. We do not want to have our bond rating lowered. I see a "train wreck" ahead if we can't find a better more cost effective way to work with these small systems. As with the S&L crisis of the 1980s and the more recent financial crisis in 2007-2012, government will be left holding the preverbal "bag" once again. Not good.

Thanx,

Darrel R. Plummer

Chief, Public Water Supply Section

Kansas Dept. of Health and Environment

Bureau of Water - Public Water Supply Section

1000 SW Jackson; Suite 420

Topeka, KS 66612

Phone: (785) 296-5523

Fax: (785) 296-5509